

WHAT IS CLAIMED IS:

1. A belt clip device for a mobile communication terminal unit comprising:

5 a terminal unit holder for receiving and holding the terminal unit;

10 a clamp provided at the terminal unit holder at one side of the terminal unit holder and adapted to resiliently clip a belt worn by a user, thereby allowing the belt clip device to be mounted to the belt; and

connecting means for rotatably connecting the clamp to the terminal unit holder

15 2. The belt clip device according to claim 1, wherein the clamp comprises:

a base portion;

a panel portion hingably coupled at one end thereof to the base portion and spaced apart from the base portion to define a gap for receiving the belt therebetween; and

20 a spring adapted to urge the base portion and the panel portion in such a fashion that the gap is resiliently maintained.

25 3. The belt clip device according to claim 2, wherein the clamp further comprises a stopper provided at the other end of

the panel portion and adapted to prevent the clamp from being separated from the belt.

Sub A27
5 4. The belt clip device according to claim 1, wherein the clamp comprises:

a base portion; and

10 a tension panel portion connected at one end thereof to the base portion in such a fashion that it is resiliently supported by the base portion, the tension panel portion serving to resiliently clip the belt.

15 5. The belt clip device according to claim 4, wherein the clamp further comprises a stopper provided at the other end of the tension panel portion and adapted to prevent the clamp from being separated from the belt.

Sub A27
20 6. The belt clip device according to claim 1, wherein the connecting means comprises:

Cont
25 a hinging member arranged between the terminal unit adapter and the clamp, the hinging member being hingably coupled to the base portion of the clamp in such a fashion that it hinges about a hinge shaft with respect to the clamp while being rotatably coupled to the terminal unit holder; and

a rotating shaft for rotatably coupling the terminal unit holder to the hinging member in such a fashion that the

terminal unit holder rotates about the rotating shaft with respect to the hinging member.

7. The belt clip device according to claim 6, further comprising:

angular position holding means for holding an angular position of the terminal unit holder with respect to the hinging member.

8. The belt clip device according to claim 7, wherein the rotating position holding means comprises:

a hole formed at a surface of the terminal unit holder facing the clamp;

a spring-loaded ball received in the hole in such a fashion that it is in contact with a surface of the hinging member contacting the surface of the terminal unit holder in a state urged against the surface of the hinging member; and

a plurality of engagement grooves formed at the surface of the hinging member and adapted to in order to allow the spring-loaded ball to be resiliently held at a desired position along a rotating circumference of the spring-loaded ball;

whereby the terminal unit holder is resiliently held at an angular position corresponding to a position of the spring-loaded ball received in a selected one of the engagement grooves.

9. The belt clip device according to claim 1, wherein the connecting means comprises:

a cylindrical rotating shaft holding member provided at one end of the clamp;

a spring received in the rotating shaft holding member;

a pair of rotating shaft supporting members formed at the terminal unit holder, each of the rotating shaft supporting members being provided with a plurality of radially extending engagement grooves at an inner surface thereof; and

A2
Cont.
a pair of rotating shafts respectively adapted to rotatably couple the rotating shaft holding member to the rotating shaft supporting members and fitted in the rotating shaft holding member at opposite sides of the spring received in the rotating shaft holding member in such a fashion that they are axially slidable while being prevented from rotating with respect to the rotating shaft holding member, each of the rotating shafts being engaged with a selected one of the engagement grooves formed at an associated one of the rotating shaft supporting members.

10. The belt clip device according to claim 9, wherein each of the rotating shaft supporting members has a recessed structure for receiving and holding one end of an associated one of the rotating shafts, the rotating shaft end being

protruded from the rotating shaft holding member, and each of the rotating shafts is provided at the one end thereof with an engagement protrusion adapted to engage with a selected one of the engagement grooves formed at an associated one of the rotating shaft supporting members, thereby causing the terminal unit holder to be held at a position defined by the engagement groove engaged with the engagement protrusion with respect to the clamp.

A2
Cancel
5

Add A2
Add B1